This listing of claims will replace all prior versions and listings of claims in the application:

## **Listing of Claims:**

- 1. (Currently amended) An anti-IFN-α monoclonal antibody which binds to and neutralizes a biological activity of at least IFN-α subtypes[[,]] IFN-α1, IFN-α2, IFN-α4, IFN-α5, IFN-α8, IFN-α10, and IFN-α21.
  - 2. (Withdrawn) The antibody of claim 1 which is a murine antibody.
  - 3. (Original) The antibody of claim 1 which is a humanized antibody.
  - 4. (Withdrawn) The antibody of claim 1 which is a human antibody.
- 5. (Original) The antibody of claim 1 wherein said biological activity is antiviral activity.
- 6. (Original) The antibody of claim 5 wherein said antibody is capable of neutralizing at least 70% of the antiviral activity of said IFN- $\alpha$  subtypes.
- 7. (Original) The antibody of claim 5 wherein said antibody is capable of neutralizing at least 80% of the antiviral activity of said IFN- $\alpha$  subtypes.
- 8. (Original) The antibody of claim 5 wherein said antibody is capable of neutralizing at least 90% of the antiviral activity of said IFN-α subtypes.
- 9. (Original) The antibody of claim 5 wherein said antibody is capable of neutralizing at least 99% of the antiviral activity of said IFN-α subtypes.

## 10. (Cancelled)

- 11. (Previously presented) The antibody of claim 1 which is murine anti-human IFN-α monoclonal antibody 9F3 comprising an amino acid sequence of the monoclonal antibody produced by a hybridoma having ATCC Accession No. PTA-2917, or progeny thereof or a humanized or chimeric form thereof.
- 12. (Previously presented) The antibody of claim 11 which is humanized anti-human IFN-α monoclonal antibody comprising a light chain variable domain of SEQ ID NO:3 and a heavy chain variable domain of SEQ ID NO:5.
- 13. (Original) The antibody of claim 1 which binds essentially the same IFN- $\alpha$  epitope as the anti- IFN- $\alpha$  antibody produced by the hybridoma cell line deposited with ATCC on January 18, 2001 and having accession No. PTA-2917.
  - 14. (Original) The antibody of claim 1 which is of the IgG class.
- 15. (Original) The antibody of claim 14 which has an IgG<sub>1</sub>, IgG<sub>2</sub>, IgG<sub>3</sub>, or IgG<sub>4</sub> isotype.
  - 16. (Original) The antibody of claim 1 which is an antibody fragment.
  - 17. (Original) The antibody of claim 16 which is a Fab fragment.
  - 18. (Original) The antibody of claim 16 which is a F(ab')<sub>2</sub> fragment.
  - 19. (Original) The antibody of claim 16 which is a Fab' fragment.

- 20. (Currently amended) An anti- IFN-α antibody, or antigen binding fragment thereof, comprising a heavy chain variable domain and a light chain or an antigen binding fragment thereof variable domain, wherein the light chain variable domain comprises comprising the following CDR's:
  - (a) Ll of the formula RASQSVSTSSYSYMH (SEQ.ID NO: 7);
  - (b) L2 of the formula YASNLES (SEQ ID NO: 8); and
  - (c) L3 of the formula QHSWGIPRTF (SEQ ID NO: 9).
- 21. (Currently amended) The anti-IFN- $\alpha$  antibody light chain antigen binding fragment of claim 20 which is a Fab the light chain variable domain.
- 22. (Currently amended) An anti-IFN-α antibody, or antigen binding fragment thereof, comprising a light chain variable domain and heavy chain variable domain or an antigen binding fragment thereof, wherein the heavy chain variable domain comprises comprising the following CDR's:
  - (a) H1 of the formula GYTFTEYJIIH (SEQ ID NO: 10);
  - (b) H2 of the formula SINPDYDITNYNQRFKG (SEQ ID NO: 11); and
  - (c) H3 of the formula WISDFFDY (SEQ ID NO: 12).
- 23. (Currently amended) The anti-IFN-α antibody heavy chain antigen binding fragment of claim 22 which is a Fab the heavy chain variable domain.
  - 24. (Previously presented) An anti-IFN-α antibody comprising
- (A) at least one light chain or an antigen binding fragment thereof, comprising the following CDR's:
  - (a) L1 of the formula RASQSVSTSSYSYMH (SEQ ID NO: 7);
  - (b) L2 of the formula YASNLES (SEQ ID NO: 8); and
  - (c) L3 of the formula QHSWGIPRTF (SEQ ID NO: 9); and
- (B) at least one heavy chain or an antigen binding fragment thereof, comprising the following

## CDR's:

- (a) H1 of the formula GYTFTEYIIH (SEQ D NO: 10);
- (b) H2 of the formula SINPDYDITNYNQRFKG (SEQ ID NO: 11); and
- (c) H3 of the formula WISDFFDY (SEQ ID NO: 12).
- 25. (Original) The antibody of claim 24 having a homo-tetrameric structure composed of two disulfide-bonded antibody heavy chain-light chain pairs.
  - 26. (Original) The antibody of claim 24 which is a linear antibody.
  - 27. (Withdrawn) The antibody of claim 24 which is a murine antibody.
  - 28. (Original) The antibody of claim 24 which is a chimeric antibody.
  - 29. (Original) The antibody of claim 24 which is a humanized antibody.
  - 30. (Withdrawn) The antibody of claim 24 which is a human antibody.
  - 31-41. (Cancelled)
- 42. (Previously presented) A hybridoma cell line comprising a nucleic acid molecule encoding an antibody of claim 1.
- 43. (Original) A hybridoma cell line deposited with ATCC on January 18, 2001 and having accession No. PTA-2917.
  - 44. (Original) An antibody produced by the hybridoma cell line of claim 42.
  - 45. (Original) A pharmaceutical composition comprising an effective amount of the

antibody of claim 1 in admixture with a pharmaceutically acceptable carrier.

- 46. (Original) A pharmaceutical composition comprising an effective amount of the antibody of claim 11 in admixture with a pharmaceutically acceptable carrier.
- 47. (Original) A pharmaceutical composition comprising an effective amount of the antibody of claim 12 in admixture with a pharmaceutically acceptable carrier.
- 48. (Original) A pharmaceutical composition comprising an effective amount of the antibody of claim 24 in admixture with a pharmaceutically acceptable carrier.

49.-54. (Cancelled)

- 55. (new) An anti-IFN- $\alpha$  antibody of claim 1 which does not bind to or neutralize IFN- $\beta$ .
- 56. (new) An anti-IFN-α antibody of claim 1 which binds to and neutralizes all IFN-αl subtypes.
- 57. (new) A cell line comprising a nucleic acid molecule encoding an antibody of claim 1,
- 58. (new) A cell line comprising a nucleic acid molecule encoding an antibody of claim 24.
- 59. (new) A cell line comprising a nucleic acid molecule encoding an antibody of claim 12.